

**The Pump Centre in association with the Nickel Institute**

**present the webinar**

# **Stainless Steels in the Water Industry**

**Tuesday 19<sup>th</sup> January 2021**

**09:50am: Login opens**

**10:00am: Introduction.**

John Howarth, Pump Centre

**10:05am: The Stainless Steel Families.**

Presented by Benoît Van Hecke, Nickel Institute.

This presentation covers:

- What is a stainless steel.
- Types of stainless steels.
- Mechanical and Physical properties.

**10:30am: The Nature and Corrosion Resistance of Stainless Steel in the Water Industry.**

Presented by Carol Powell, Nickel Institute.

This presentation covers:

- Which stainless steels are used in the water industry?
- How do they behave in the atmosphere, in various water chemistries, under flow and stagnant conditions?
- Galvanic behaviour.
- Post fabrication clean up.
- What is pickling and passivation?
- Leaching characteristics.

**11:10am: = = = = = Comfort Break (20 mins) = = = = =**

**11:30am: Stainless Steel Water Infrastructure Examples.**

Presented by Benoît Van Hecke, Nickel Institute.

**11:50am: Guidelines and Application in Water and Wastewater Treatment Environments.**

Presented by Carol Powell, Nickel Institute.

This presentation covers:

- Resistance to water treatment plant environments.
- Chlorides, Oxidants, Hydrotesting.
- MIC (Microbiologically influenced corrosion).
- Behaviour of stainless steels in wastewater treatment environments.
- Guidelines for Use.

**12:30pm: Q&A session and Final Discussion.**

Chaired by John Howarth, Pump Centre.

**12:40pm: Expected finish.**